

20000314.ba v02\_n835.bam.20000314

>From ???@??? Tue Mar 14 05:52:18 2000 -0600  
Date: Tue, 14 Mar 2000 05:50:05 CST  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 2835  
Message-Id: <20000314120257.445B5274B4@devel143.theporch.com>

### BOATANCHORS Digest 2835

Topics covered in this issue include:

- 1) FS: manuals  
by Avery Comarow <acomarow@usnews.com>
- 2) Re: Collins St James... dry?  
by "Tom R. Rice" <tomrice@netcom.com>
- 3) Gonset G-76 BFO info.  
by W4UOC@aol.com
- 4) Geog lesson  
by BEN NOCK <G4BXD@compuserve.com>
- 5) Test Equipment manual sources  
by Scott Robinson <spr@earthlink.net>
- 6) Rama-lama-BAMA-ding-dong!  
by "Ed Sieb" <sieb@sympatico.ca>
- 7) Re: Drum Cord for 51J4?  
by "Sven Grandell" <sierra.victor@swipnet.se>
- 8) Re: Boatanchor "DX-pedition" to the north  
by Jerry Proc <jproc@idirect.com>
- 9) WANTED: 203A Socket, Spare  
by Merz Donald S <merz.ds@mellon.com>
- 10) Puyallup pickings, Pt. II  
by Ralph Parker <rparker@intergate.ca>
- 11) Re: HP141T/8552B/8553B/8443A Manual Wanted  
by John Kolb <jlkolb@cts.com>
- 12) R-725 Manual  
by "Benjamin D. Hall" <kd5byb@WT.NET>
- 13) Re: Impact of Proposal... spread spectrum  
by "Prof. Arthur I. Larky" <ail0@lehigh.edu>
- 14) Hallicrafters S-41-G question.  
by jmccarty@lucent.com (John J Mccarty)
- 15) Scott RCH  
by Roy Morgan <roy.morgan@nist.gov>
- 16) XTALS WANTED  
by BEN NOCK <G4BXD@compuserve.com>
- 17) Woden transformer info ?  
by BEN NOCK <G4BXD@compuserve.com>
- 18) Johnson VALIANT Audio

- by Robert Lawson <w4rl@bellsouth.net>
- 19) Re: Hedy Lamarr  
by Jderm740@aol.com
- 20) Re: [R-390] TM 11-5551E and NAVSHIPS 92495 for URM-25D/F, more TM's  
by "Ed Zeranski" <ezeran@concentric.net>
- 21) Re: Geog lesson  
by "Ed Zeranski" <ezeran@concentric.net>
- 22) Puyallup findings  
by Ron Hershey <rhershey1@uswest.net>
- 23) Silicone Removal  
by Jim321@webtv.net
- 24) Re: Johnson VALIANT Audio  
by "James C. Garland" <4CX250B@miavx1.acs.muohio.edu>

-----  
Message-Id: <2.2.32.20000313173732.008f9284@ntpop.usnews.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Date: Mon, 13 Mar 2000 12:37:32 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Avery Comarow <acomarow@usnews.com>  
Subject: FS: manuals  
Cc: dcboatanchors@qth.net

Hi, gang--I have a few manuals I don't need. All prices include 1st class shipping. If a buyer thinks the condition is worse than what I've described, I'll be glad to refund part of the price or take the manual back.

73, Avery W3AVE

Hallicrafters HT-32A (original). VG condition other than the cover, which is intact but ratty and taped to the inside. \$15

Hallicrafters SR-150 (original). VG+ condition, no problems, \$20.

Hallicrafters SX25 Super Defiant (copy). Not as good as the commercial copies, but completely readable. \$10

SBE SB-34 (original). Cover G, contents VG+ with a little bit of pink highlighter and a few notes. Includes photocopy of component layout of IF board as viewed from the bottom. \$15

-----  
From: "Tom R. Rice" <tomrice@netcom.com>  
Message-Id: <200003131741.JAA25385@netcom.com>  
Subject: Re: Collins St James... dry?  
To: Old Tube Radios <boatanchors@theporch.com>

Date: Mon, 13 Mar 2000 09:41:37 -0800 (PST)  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

> |Try Armorall protectant-you can get it in the car parts  
>  
> -- I thot we'd been all thru this, and one  
> conclusion was that Armorall has silicone,

Another serious (at least to me) drawback  
to this stuff is that the surfaces feel slimy  
to the touch. The tactile delight of fondling  
old radio gear is one of the hobby's greatest  
rewards.

73 de WB6BYH

--  
"Start off every day with a smile and get it over with." --W.C.Fields  
Tom R. Rice  
tomrice@netcom.com

-----  
From: W4UOC@aol.com  
Message-ID: <17.2dda75a.25fe85e3@aol.com>  
Date: Mon, 13 Mar 2000 12:56:51 EST  
Subject: Gonset G-76 BFO info.  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

I loaned out by manual on my Gonset G-76 and now have to repair the BFO.  
Can anyone tell me which tube is used for the BFO. I think it is probably  
part of the 12AU7. If you have the pin voltages and resistances for that  
section of the schematic I would appreciate it.

Also...what is the URL for the on line manuals.... think it was BAMA  
something.

Thanks

Tom Koch - W4UOC

-----  
Date: Mon, 13 Mar 2000 13:02:48 -0500  
From: BEN NOCK <G4BXD@compuserve.com>

Subject: Geog lesson  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <200003131303\_MC2-9CE0-DCD8@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
charset=ISO-8859-1  
Content-Disposition: inline

>>> Well the Canary Is. are just a tad Portuguese!!!

?

The Canaries are a tad Spanish !

BN.

-----  
Message-ID: <38CD2F9D.6F61FE43@earthlink.net>  
Date: Mon, 13 Mar 2000 10:12:45 -0800  
From: Scott Robinson <spr@earthlink.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Test Equipment manual sources  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

> Folks,  
>  
> Here are my two favorite test equipment manual sources:  
>  
> linda\_p@ix.netcom.com  
> Manual Merchant  
> 2475 Loring Street  
> San Diego, CA 92109 (HP etc.)  
>  
> and  
>  
> Manuals Plus (Test Equipment Manuals)  
> PO Box 549, Tooele, UT 84074  
> Tel (801) 882-7188  
> Fax (801) 882-7195  
> Jack House <jackh@manualsplus.com>  
>

> Good luck!  
>  
> /scott  
>  
> Oh Knowledgeable Ones! I recently purchased one of H-P's #236A  
> >Telephone Test Oscillators, and of course, no documentation. So does  
> >anyone have or can point me in the direction to obtain a copy or an  
> >original? Thank you, Jim Skladany.  
>  
> Scott Robinson  
> spr@earthlink.net  
>  
> Junque is GOOD for you!

--

Scott Robinson  
spr@earthlink.net

Junque is GOOD for you!

-----  
From: "Ed Sieb" <sieb@sympatico.ca>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Rama-lama-BAMA-ding-dong!  
Date: Mon, 13 Mar 2000 13:12:47 -0500  
Message-ID: <LOBBJH0L00HLIPLONIAFEEJDCJAA.sieb@sympatico.ca>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

BAMA is  
<http://bama.sbc.edu/>  
K4XL's site.

Ed  
VA3ES

-----  
From: "Sven Grandell" <sierra.victor@swipnet.se>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Drum Cord for 51J4?  
Date: Mon, 13 Mar 2000 19:24:17 +0100  
Message-ID: <01bf8d19\$57ff2120\$777497d4@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have just replaced the cord in my 51J-4.  
The original cord was not 27 but 19 inches long.  
I used the Berkley Steelon Nylon Coated Wire 30 lbs.  
Was perfect very near the original. You can find it at  
your nearest fishing supply store.  
Berkley also have a Leader Making Kit with sleeves.

73 de Sven, SM3SV

-----  
Message-ID: <38CD3459.E163ED12@idirect.com>  
Date: Mon, 13 Mar 2000 13:32:58 -0500  
From: Jerry Proc <jproc@idirect.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Boatanchor "DX-pedition" to the north  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Ray,

I found the story of your radio adventures in Canada's north quite interesting  
and have forwarded it a whole bunch of other hams not on Boatanchors. That would  
also make dynamite copy for The Canadian Amateur magazine. Why not submit it?

The geography lesson was enlightening too since I didn't pay too much attention  
when the division took place last year. If there is only 30 or so VY0's up  
there, that's DX in my books.

\*\*\*\*\*

Ray Perrin wrote:

> Gang,  
>  
> I brought along Boatanchor radio gear during a recent business trip to  
> Iqaluit in the new Canadian territory of Nunavut. Iqaluit is located near....

--

Regards,  
Jerry Proc VE3FAB jproc@idirect.com  
Web: [www3.sympatico.ca/hrc/haida](http://www3.sympatico.ca/hrc/haida)  
HMCS HAIDA Historic Naval Ship, Toronto Ontario

-----

Message-ID: <20000313201430.26588.qmail@mellon.com>  
From: Merz Donald S <merz.ds@mellon.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: WANTED: 203A Socket, Spare  
Date: Mon, 13 Mar 2000 15:10:36 -0500  
MIME-Version: 1.0  
Content-Type: text/plain

Two other recent additions here are a pair of NOS RCA 203A tubes. I have in mind a project for a 1929-era transmitter (TVI generator <G>) using them in push pull. See the 1927-1932 ARRL handbooks for the one I'm considering. But I need to find another RCA 203A socket--the big, black porcelain-based job--and a spare 203A just to have some comfort zone...

Any help with these items will be greatly appreciated. I have some Taylor tubes, 803s, 813s, and 45s, mostly used but some NOS, that I can trade or will pay cash.

Thanks.  
--Don Merz

-----  
Message-Id: <3.0.3.32.20000313125933.006b1b64@pop.intergate.bc.ca>  
Date: Mon, 13 Mar 2000 12:59:33 -0800  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Ralph Parker <rparker@intergate.ca>  
Subject: Puyallup pickings, Pt. II  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Earlier, I said:  
>Anyone have a manual for the NC-125, original or copy? Costs covered of course.

Got one, thanks.

Unpacking the van, I found that I also need:

1. Bottom cover for the NC-125
2. Two type HRB knobs for the '125 AGC and Band switches.
3. Top and bottom covers for an Elmac PMR-6A
4. Concentric RF/AF gain and Tuning knobs for the PMR-6A
5. Any info on a Dow Key T-R switch, model DKC-TR

In an attempt to not be greedy, passed up a nice 75A-1. Saw it later on another table for almost 4 times the first price. Hmmmm.

VE7XF

-----  
Date: Mon, 13 Mar 2000 13:03:35 -0800 (PST)  
From: John Kolb <jlkolb@cts.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: HP141T/8552B/8553B/8443A Manual Wanted  
Message-ID: <Pine.BSF.4.21.0003131302130.70897-100000@king.cts.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 12 Mar 2000, David Box wrote:

> I have recently picked up a HP141T with HP-8552B, HP-8553B plugins , and a  
> HP-8443A tracking gen/counter.

>

Great source for HP manuals is Ed Matsuda (619)479-0225  
ematsuda@earthlink.net

John

-----  
Message-Id: <3.0.32.20000313151225.007dd700@mail.wt.net>  
Date: Mon, 13 Mar 2000 15:12:29 -0600  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "Benjamin D. Hall" <kd5byb@WT.NET>  
Subject: R-725 Manual  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Greetings all...

Been trying to hunt down a source of the military manual for the R-725/URR.  
Does anyone have one, or know the Navy publication number for the manual?  
I may have located a source for a copy but need the Navy publication number...

73,  
ben

---

Benjamin D. Hall, KD5BYB, Engine and radio collector / operator.  
Located in Houston, Texas, USA.  
e-mail: kd5byb@WT.net, web: <http://web.wt.net/~kd5byb/>  
"An ye harm none, do what thou wilt."

-----  
Message-ID: <38CD13CA.3309@lehigh.edu>  
Date: Mon, 13 Mar 2000 16:14:02 +0000  
From: "Prof. Arthur I. Larky" <ail0@lehigh.edu>  
MIME-Version: 1.0



To: Old Tube Radios <boatanchors@theporch.com>  
CC: boatanchors@theporch.com  
Subject: Re: Impact of Proposal... spread spectrum  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Andre Guibert wrote:

>  
> Bon Apres Midi to All.  
> If I remember right, she was second violin to her  
> boyfriend/husband in developping that patent.  
> Could be this is H. L. Markey?  
> >The patent is in the name of H. L Markey. I have copies of it somewhere  
> >because it came up in some litigation I was involved in.  
> >Art  
> >  
> >  
> >  
> >  
> Andre Guibert  
> aguibert@sympatico.ca  
NO.

Patent #2,292,387 was filed June 10, 1941, issued August 11, 1942 and was in the name of Hedy Klesler Markey and George Antheil. A very short patent - 10 columns + 2 pages of drawings.

The derivation of her stage name is pretty clear: LaMar = La, which sounds fancy + Mar(key).  
Antheil was co-inventor because the idea supposedly came to her while listening him play some notes.

The controller used "tapes used for many years in player pianos" and was "a conventional player piano record".  
Art K3HBA

-----  
From: jmccarty@lucent.com (John J Mccarty)  
Date: Mon, 13 Mar 2000 15:56:11 -0600 (CST)  
Message-Id: <200003132156.PAA24988@nwsqpb.ih.lucent.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Hallicrafters S-41-G question.

Group;

Picked up this "canoe anchor" at a local antique mall.  
Since it has a receive/stand-by switch it was labeled

"ham tranceiver". Anyway, cleaned it up best I could and replaced the electrolytic and waxy caps. Touched up the tweaks, and the unit plays pretty well, except for the bfo. With the bfo switched on, no change to the back ground noise or signals. No heterodynes. Tube tests good on my Hickok tester. Change out 200 pf cap just for good measure. Tweak back and forth, nothing.

Now, if I couple the output of the bfo to my LM marker generator, I can hear when I tune the bfo through 455kc on the LM marker, weakly. All the voltages and resistance listed on the Photofact are right on except that the bias voltage on the grid of the tubes shows -1.8 (12sq7) as opposed to -1.0 on the Sam's. I can't account for the .8 volts. The voltage drop across the plate resistor is .2 volts, which across 470 ohms is .425 mA, which seems too low. Poked/resoldered some of the ground connections around the tube socket which didn't help. The noise limiter, which is the dual diode section of the same tube seems to work o.k. What am I missing ? Did this thing ever work ? There is really not a lot to this circuit.

Tnx

John n9hrt  
jmccarty@lucent.com

-----  
Message-Id: <4.2.0.58.20000313170525.00b4cdd0@sdct-sunsrv1.ncsl.nist.gov>  
Date: Mon, 13 Mar 2000 17:13:47 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Roy Morgan <roy.morgan@nist.gov>  
Subject: Scott RCH  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 11:26 AM 3/13/00 -0600, you wrote:

>From: Merz Donald S <merz.ds@mellon.com>

>Subject: Scott RCH

>This radio also has the infamous celluloid dial glass that shrinks with age.

... is anyone aware of any replacement dial glass

>available for sale anywhere? It would seem like a veritable cottage-industry  
>opportunity for someone...

Yes, at least one fellow is supplying the antique radio world with  
excellent reproduction dials and glasses:

RockSea Enterprises  
<http://members.aol.com/RockSeaEnt/scales/index.html>

His web site lists these Scott things:

Scott Allwave 23 dial  
    Scott Allwave 15, 19, 23 (lens)  
    Scott Laureate  
    Scott "Philharmonic" (1937)

Contact him for items he does not list on his website.

- \*\*\*\*\*  
Roy Morgan  
Technology Administration  
14th & Constitution, Room 4823  
Department of Commerce  
Washington, DC 20230  
voice: (202) 482-1034  
fax: (202) 482-6184  
DoC email: RMorgan@ta.doc.gov  
NIST email: roy.morgan@nist.gov  
\*\*\*\*\*

-----  
Date: Mon, 13 Mar 2000 18:57:12 -0500  
From: BEN NOCK <G4BXD@compuserve.com>  
Subject: XTALS WANTED  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <200003131857\_MC2-9CED-E7AB@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
    charset=ISO-8859-1  
Content-Disposition: inline

I am looking for xtals between 10.1000 and 10.150 MHZ

I certainly would like to hear from those who have (or have had) the Valiant (original or II), and any suggestions from experience with this

transmitter's audio circuitry and performance.

Thanks in advance.

Regards,

Robert Lawson W4RL Pensacola Florida

-----  
From: Jderm740@aol.com  
Message-ID: <60.15cbcd6.25fef8e8@aol.com>  
Date: Mon, 13 Mar 2000 21:07:36 EST  
Subject: Re: Hedy Lamarr  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hello Fellow Historians

On the subject of Hedy Lamarr and the patent for the control of torpedos.

She was born in Austria around 1913-1915 (you know women) with the name Hedwig Eva Maria Kiesler. Her first marriage was to an Austrian munitions maker, Fritz Mandl. She had studied acting and after her marriage ended came to Hollywood. There her name was changed, for marque value, to Hedy Lamarr. They didn't think Hedwig Kiesler was much of a draw. Hollywood was very marque consience in those days and a lot on names were changed but not legally, just for publicity. I mean, who would go to a movie starring Elizabeth Taylor and Spangler Arlington Breu. Not many. Or got to the see the Philadelphia Story, with Jimmy Stewart, Catherine Hepburn and Archibald Leech. Lamarr had six husbands and Markey was probably who she was married to at the time. The initials fit. H for Hedwid, her real first name, and K for her birth name, Kiesler.

Her coinventor was a musician name George Antheil. American born who spent a lot of time studying in Europe and Germany. Some thought him suspect. And as far as her status I think in those days if you married an American citizen you became one automatically, and as the article states, 'she proved her loyalty by selling 7 million dollars in war bonds in one weekend.' When they described the mechanism to the military they referenced the paper system in player pianos. The brass thought they were going to make torpedos the size of an Aeolian-Steinway. Not Cool.

Jack McDermott                      Jderm740@aol.com

-----  
Message-ID: <003401bf8d61\$8b00e8e0\$3514fea9@g5p3m4>  
From: "Ed Zeranski" <ezeran@concentric.net>

To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: [R-390] TM 11-5551E and NAVSHIPS 92495 for URM-25D/F, more TM's  
Date: Mon, 13 Mar 2000 19:01:04 -0800  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

It was available from:  
>  
> Robert Downs  
> 2027 Mapleton Drive  
> Houston, TX 77043  
>  
> <RWDowns\_WA5CAB@compuserve.com>  
>  
> Robert has a LONG list of manuals available for every conceivable  
> piece of military gear and the price I paid was quite for the  
> nicely spiral-bound manual was very reasonable

I think that anyone dealing with Robt. Downs , from personal  
experience, will be mor than satisfied. One of the good ones folks!

-----  
Message-ID: <004501bf8d62\$44c2ed00\$3514fea9@g5p3m4>  
From: "Ed Zeranski" <ezeran@concentric.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Geog lesson  
Date: Mon, 13 Mar 2000 19:06:16 -0800  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

-----Original Message-----  
From: BEN NOCK <G4BXD@compuserve.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Monday, March 13, 2000 10:04 AM  
Subject: Geog lesson

>>> Well the Canary Is. are just a tad Portuguese!!!

?

The Canaries are a tad Spanish !

BN.

Yo! All the folks I know from there are Portugese fishing families . The neighborhood here is actually dominated by people from Pico. Don't care who is supposed to own the damn things...sure is a heavy Por-2-Gee presence. The Azores too!

-----  
Message-ID: <38CDC855.14F81891@uswest.net>  
Date: Mon, 13 Mar 2000 21:04:21 -0800  
From: Ron Hershey <rhershey1@uswest.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Puyallup findings  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Like a couple other list members I had some BA items follow me home from Puyallup.

One is a navy signal generator LP-3 made by General Radio in 1942. Covers 10 kc to 50 Mc. I got the power supply and generator but not the umbilical cord connecting the two. It uses a 6 pin Jones plug on one end and a 6 pin Jones receptacle on the other. Does anyone still sell these? Does anyone have any documentation? I've tried most the usual manual sources without success.

The generator and power supply weigh over 70 lb. but they must be portable since they have handles. ;-) I ran into an ex navy guy at the hamfest who told me this was a very stable unit that was used for tuning the RBA/RBB/RBC series receivers.

Another item that came home was a BC-639A with both American and Canadian tags. It's missing the power supply which, by coincidence, uses the same 6 pin Jones plug as the LP-3. Any words of wisdom on this set? I think I found a manual source at A G Tannenbaum's but I'd like to know a little more about what the set was originally used for.

Thanks,  
Ron Hershey

-----  
From: Jim321@webtv.net  
Date: Mon, 13 Mar 2000 21:05:39 -0800 (PST)  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Silicone Removal

Message-ID: <18429-38CDC8A3-11732@storefull-296.iap.bryant.webtv.net>  
Content-Disposition: Inline  
Content-Type: Text/Plain; Charset=US-ASCII  
Content-Transfer-Encoding: 7Bit  
MIME-Version: 1.0 (WebTV)

You might try: "Griot's Garage (www.griotsgarage.com, 800-345-5789, Tacoma, WA.) "Paint Prep": 'Removes polymer-silicone and old wax'. I havn't tried it yet, but the products I have used are very good & have a Great warranty, so contact them and check out P/N # 11135, @\$15.95/ 35 oz's.+ shippin'. Plenty of other interesting things applicable to BA's as well as the old 'Toter Abouter". Jim

-----  
Message-Id: <3.0.1.32.20000314065023.006ae704@miavx1.muohio.edu>  
Date: Tue, 14 Mar 2000 06:50:23 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "James C. Garland" <4CX250B@miavx1.acs.muohio.edu>  
Subject: Re: Johnson VALIANT Audio  
Cc: "boatanchors@theporch.com" <boatanchors@theporch.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>  
>I am about to purchase a Johnson Valiant. I have heard some talk about  
>this unit not having the best audio (pinched in quality), as compared to  
>it's little brother, the Ranger.

>I certainly would like to hear from those who have (or have had) the  
>Valiant (original or II), and any suggestions from experience with this  
>transmitter's audio circuitry and performance.  
>Robert Lawson W4RL Pensacola Florida

>  
Hi Robert,  
The stories about the Valiant sup-par audio are correct. Most people believe it has a pinched sound, and that the clipper only aggravates the problem. In fact, nearly all Valiants have been previously modified by their owners, usually by increasing the coupling caps between audio stages to increase the frequency response. In my experience, these modifications are frequently sloppily done and of dubious value. You should check your new radio carefully on this point.

Fortunately, there are some excellent audio mods designed for the Valiant. The best, in my opinion, is the design by W6BM, published in Electric Radio (sorry, I'm out of town on business and can't give you the reference.) John's mod involves rewiring the audio stages, although there are no tube changes or holes to drill.



I made the W6BM mod on my Valiant 1 and it is fabulous. I get significantly better audio reports on it than on my Ranger 2 and Viking 500, although they have pretty good audio in their own right. The W6BM mod takes about ten hours start-to-finish, if done carefully. I began by stripping out the original circuit (leaving the filament wiring in place, of course), and cleaning the tube socket terminals. Then I went stage-by-stage, installing the new components (resistors and caps). It was a very straightforward process, and also rather fun, since everything on the underside of the valiant is so accessible. While I had the rig apart, I also changed some of the power supply electrolytics, as a preventative precaution, and installed surge-limiting resistors on the power supplies (to ease the start-up transients). Although my rig didn't need it, this would be a good time to check the VFO calibration and tweak it if necessary. Some users like to replace a trouble-prone 2W resistor in the power supply also, but I've not had any trouble with mine. Don't forget also to de-oxit the switch contacts, since you've got the rig out of the cabinet.

With these mods, the Valiant is a dream to use. I know you'll love yours. I'm sure someone on the List will send you the reference for the W6BM mod, but if not, let me know and I'll look it up when I get back home.

73,

Jim Garland W8ZR.

-----  
End of BOATANCHORS Digest 2835  
\*\*\*\*\*